International Application No
PCT/IB2005/050052

		005/050052			
A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G01R33/565				
	o International Patent Classification (IPC) or to both national classif	ication and IPC			
	SEARCHED cumentation searched (classification system followed by classification system followed by classific	ition symbols)			
IPC 7	G01R				
Documental	tion searched other than minimum documentation to the extent that	such documents are included in the field	s searched		
Electronic d	ata base consulted during the international search (name of data b	ase and, where practical, search terms u	sad)		
	ternal, INSPEC, MEDLINE, EMBASE, BI		·		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the n	elevant passages	Relevant to daim No.		
х	ROOPCHANSINGH V ET AL: "Single-magnetic field mapping embedded echo-planar time-course imaging" MAGNETIC RESONANCE IN MEDICINE Wool. 50, no. 4, October 2003 (20	in HILEY USA,	1-6,14, 15,19, 23-26		
Υ	pages 839-843, XP002323257 ISSN: 0740-3194 page 839, right-hand column - pa right-hand column page 843, left-hand column	ge 840,	27		
		-			
X Furth	ner documents are listed in the continuation of box C.	X Patent family members are liste	d in annex.		
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance.		"T" later document published after the i or priority date and not in conflict w cited to understand the principle or invention	ith the application but		
"E" earlier document but published on or after the International filling date "L" document which may throw doubts on priority claim(s) or		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
which is called to seasons in the policidator date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but		"Y" document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.			
later th	an the priority date claimed	"&" document member of the same patent family			
	actual completion of the International search April 2005	Date of mailing of the international s	earch report		
	nalling address of the ISA	Authorized officer			
Turns and II	European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 91 651 epo ni, Fax: (+31–70) 340–3016	Skalla, J			
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International Application No
PCT/IB2005/050052

PC1/1B2005/050				
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	SHOICHI KANAYAMA ET AL: "IN VIVO RAPID MAGNETIC FIELD MEASUREMENT AND SHIMMING USING SINGLE SCAN DIFFERENTIAL PHASE MAPPING" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 36, no. 4, 1 October 1996 (1996–10–01), pages 637–642, XP000629277 ISSN: 0740–3194	27		
X	the whole document	1,19,26		
X Y	US 4 623 843 A (MACOVSKI ET AL) 18 November 1986 (1986-11-18) column 3, line 22 - line 54 column 7, line 12 - line 22	1,18-20, 24,26 16,17,21		
Υ	US 5 731 704 A (SCHNUR ET AL) 24 March 1998 (1998-03-24) column 4, line 66 — column 5, line 20	16,17,21		
X	WARD H A ET AL: "REAL-TIME AUTOSHIMMING FOR ECHO PLANAR TIMECOURSE IMAGING" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 48, no. 5, November 2002 (2002-11), pages 771-780, XP001130531 ISSN: 0740-3194 page 772; figure 1 page 777, left-hand column	1-13,19, 26		
X	ROOPCHANSINGH V. ET AL: "Magnetic Field Mapping in Real Time with a Single RF Pulse" PROCEEDINGS OF THE INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, TENTH MEETING PROCEEDINGS, 18 May 2002 (2002-05-18), XP002323258 HONOLULU, HI, USA the whole document	1-6,14, 15,19, 23-27		
A	WEISKOPF N. ET AL: "Correction of Geometric Distortion in fMRI: a Single-Shot Technique Using Multi-Echo Echo-Planar Imaging (EPI)" PROCEEDINGS OF THE INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, TENTH MEETING PROCEEDINGS, 18 May 2002 (2002-05-18), page 1742, XP002323259 HONOLULU, HI, USA the whole document	1-27		

International Application No
PCT/IB2005/050052

		PCT/1B2005/050052		
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	SHEN J ET AL: "IMPROVEMENTS ON AN IN VIVO AUTOMATIC SHIMMING METHOD (FASTERMAP)" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 38, no. 5, November 1997 (1997-11), pages 834-839, XP000741762 ISSN: 0740-3194 cited in the application the whole document	1-27		
A	GRUETTER R ET AL: "Field mapping without reference scan using asymmetric echo-planar techniques" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 43, 2000, pages 319-323, XP002294864 ISSN: 0740-3194 the whole document	1-27		
A	ERICSSON A ET AL: "MEASUREMENTS OF MAGNETIC FIELD VARIATIONS IN THE HUMAN BRAIN USING A 3D-FT MULTIPLE GRADIENT ECHO TECHNIQUE" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 33, no. 2, 1 February 1995 (1995-02-01), pages 171-177, XP000482943 ISSN: 0740-3194 figure 1	1-27		

Interna mai Application No

Information on patent family members			Internation No PCT/IB2005/050052			
Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4623843	Α	18-11-1986	NONE			
US 5731704	А	24-03-1998	DE JP	1953639 911743	0 A1 5 A	03-04-1997 06-05-1997
•						